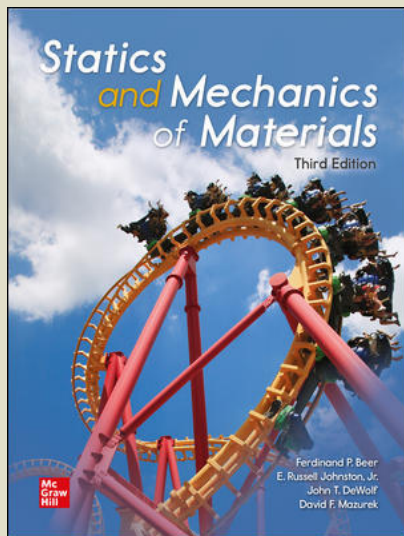


List of Changes



Statics and Mechanics of Materials 3rd Edition

Beer, Johnston, DeWolf, and Mazurek

ISBN: 1260226751 / 9781260226751 / © 2021

available in



connect®

This book combines the two key elements of mechanics needed by most engineering students, *Statics and Mechanics of Materials*. It is based on the classic Beer/Johnston series on mechanics, which established how engineering mechanics should be taught. The text is based on teaching students to analyze problems in a simple and logical manner and to then use fundamental and well-understood principles in the solution. One of the features is the presentation of a methodology for solving engineering problems that can be extended to other engineering courses.

SEE LIST OF CHANGES ATTACHED.

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McGraw-Hill Connect® is a course management and adaptive learning solution that enhances your unique voice and teaching style. As your partner, we're committed to helping you achieve your course goals and unlock student potential. That's why we've made meaningful updates to this edition.

New In Connect:

Case Studies and Case Study Videos – Every chapter now features a case study using real-world applications. Additionally, when a student is in the McGraw-Hill eBook, an embedded case study video walks students through the strategy, model, and analysis involved in solving the problem. Students are asked to reflect and think what they can learn from the case study in both the text and video.

New Free-Body Diagram Problems within Connect

offer an auto-graded experience that benefits students and instructors. This innovative tool helps students practice drawing free-body diagrams. All provided questions are assignable and deliver feedback in the form of thought-provoking inquiries to guide students through the drawing experience. Instructors can customize, and even build, free-body diagram questions within Connect.

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Case Studies



Free-Body Diagram Problems

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New to This Edition:

The authors made some significant changes to the new edition of this text. The updates include:

- **Case Studies.** Each chapter includes one Case Study to provide the student with real-world engineering problems. These address how engineers approached the evaluation of problems that occurred and how they developed new designs.
- **Text Revisions.** The authors have continued to edit the language to make the book easier to read and more student-friendly.
- **Photographs.** We have updated many of the photos appearing in the third edition.
- **Revised or New Problems.** Over 20% of the problems are revised or new to this edition.
- Updated **Connect Site** with SmartBook 2.0, Process-Oriented Problems, and a Free-Body Drawing Diagram Tool.



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